

National Antimicrobial Resistance Monitoring System Animal Isolates

Swine Diagnostic* Isolates

Percent Resistance

Antimicrobial (Number of Isolates)	1997 n=195	1998 n=258	1999 n=345	2000 n=485	2001 n=654	2002 n=741	2003 n=469
Amikacin	0	0	0	0	0	0	0
Amoxicillin/Claivalanic Acid	0.5	3.5	4.1	11.8	8.1	7.3	13.4
Ampicillin	23.6	29.5	42.6	50.3	52.8	55.7	57.1
Apramycin	3.6	8.1	7.2	5.4	3.2	N/A	N/A
Cefoxitin	N/A	N/A	N/A	11.3	5.8	5.4	12.2
Ceftiofur	0	3.1	4.9	10.9	5.7	5.3	13.9
Ceftriaxone	0	1.6	0.3	0	0	0	0.4
Cephalothin	0.5	3.9	4.9	12.4	6.1	6.7	14.7
Chloramphenicol	15.4	16.3	24.1	24.5	18.8	20.9	27.9
Ciprofloxacin	0	0	0	0	0	0	0
Gentamicin	4.6	8.5	10.7	11.5	6.4	6.2	6.6
Imipenem	N/A	N/A	N/A	N/A	0	N/A	N/A
Kanamycin	19.0	24.0	20.6	22.5	16.4	13.6	16.4
Nalidixic Acid	0	0	0.3	0.2	0.9	0.5	0.4
Streptomycin	38.5	58.5	58.8	63.1	65.4	71.3	75.5
Sulfamethoxazole	44.1	59.3	60.9	65.1	69.6	61.7	65.5
Tetracycline	75.4	72.5	64.1	69.9	76.5	76.2	77.4
Ticarcillin**	23.6	28.3	N/A	N/A	N/A	N/A	N/A
Trimethoprim/Sulfamethoxazole	13.3	5.4	4.6	12.6	4.5	3.6	8.1

*Isolates obtained from the National Veterinary Service Laboratories (the majority of isolates were obtained from primary or secondary infections) and from participating Sentinel Site Diagnostic Laboratories.